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PTO/SB/01 (12/97)
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| | | |
|--|-------------------------------|----------------------------|
| DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) <input type="checkbox"/> Declaration Submitted with Initial Filing OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e))) | Attorney Docket Number | 87552.99R091/SE1395PD |
| | First Named Inventor | Malcolm R. Schuler, et al. |
| | COMPLETE IF KNOWN | |
| | Application Number | 09 / 344,867 |
| | Filing Date | Herewith |
| | Group Art Unit | Unknown |
| | Examiner Name | Unknown |

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**POTTED TRANSDUCER ARRAY WITH MATCHING NETWORK IN A MULTIPLE
PASS CONFIGURATION**

the specification of which

(Title of the Invention)

☐

is attached hereto

OR

☒

was filed on (MM/DD/YYYY)

06/28/1999

as United States Application Number or PCT International

Application Number

09/344,867

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above:

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application | Foreign Filing Date | Priority | Certified Copy Attached? | |
|---------------------------|---------------------|--|--|--|
| | | | YES | NO |
| None | | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

| Application Number(s) | Filing Date (MM/DD/YYYY) | |
|-----------------------|--------------------------|--|
| None | | <input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto. |

[Page 1 of 2]

Burden Hour Statement This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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DECLARATION ---- Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application

| U.S. Parent Application or PCT Parent Number | Parent Filing Date (MM/DD/YYYY) | Parent Patent Number (if applicable) |
|--|---------------------------------|--------------------------------------|
| | | |

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transmit all business in the Patent and Trademark Office connected therewith

☐ Customer Number
OR
☒ Registered practitioner(s) name/registration number listed below

Place Customer
Number Bar Code
Label here

| Name | Registration Number | Name | Registration Number |
|-----------------------|---------------------|------------------------|---------------------|
| Thomas R. FitzGerald | 26,730 | Lee J. Fleckenstein | 36,136 |
| Rinaldo Del Gallo III | 42,474 | Ronald S. Kareken | 20,573 |
| John DeAngelis | 30,622 | Harry M. Fleck | 24,704 |
| Leslie J. Hart | 26,462 | Frederick R. Jorgenson | 38,196 |

☒ Additional registered practitioner(s) named on supplemental Registered Practitioner information sheet PTO/SB/02C attached hereto.

Direct all correspondence ☐ Customer Number or Bar OR ☒ Correspondence address below

| | | | | | |
|---------|----------------------------------|-----------|----------------|-----|----------------|
| Name | Thomas R. FitzGerald | | | | |
| Address | Jaeckle Fleischmann & Mugel, LLP | | | | |
| Address | 39 State Street | | | | |
| City | Rochester | State | NY | ZIP | 14614-1310 |
| Country | USA | Telephone | (716) 262-3640 | Fax | (716) 262-4133 |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: ☐ A petition has been filed for this unsigned inventor

| | |
|--|------------------------|
| Given Name (first and middle [if any]) | Family Name or Surname |
| Malcolm R. | Schuler |

| | | | | | |
|---------------------|---------------------------|-------|----|---------|------------|
| Inventor's | <i>Malcolm R. Schuler</i> | | | Date | 8/23/99 |
| Residence: City | Mountaintop | State | PA | Country | USA |
| Post Office Address | 85 Karin Drive | | | | |
| Post Office Address | | | | | |
| City | Mountain | State | PA | ZIP | 18707-9572 |
| | | | | Country | USA |

☒ Additional inventors are being named on the 3 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached

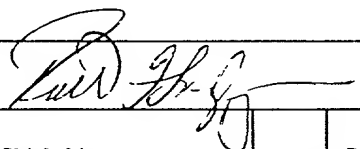
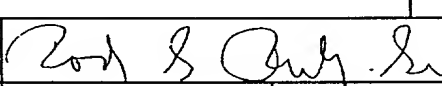
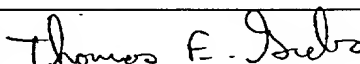
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DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 1 of 2

| | | | | | | | |
|--|---|-------|----|---|-------|-------------|-----|
| Name of Additional Joint Inventor, if any: | | | | <input type="checkbox"/> A petition has been filed for this unsigned inventor | | | |
| Given Name (first and middle [if any]) | | | | Family Name or Surname | | | |
| Robert F. | | | | Longenberger | | | |
| Inventor's |  | | | Date | | 8/23/99 | |
| Residence: City | Shickshinny | State | PA | Country | USA | Citizenship | USA |
| Post Office Address | RR1, Box 105BB | | | | | | |
| Post Office Address | | | | | | | |
| City | Shickshinny | State | PA | ZIP | 18655 | Country | USA |
| Name of Additional Joint Inventor, if any: | | | | <input type="checkbox"/> A petition has been filed for this unsigned inventor | | | |
| Given Name (first and middle [if any]) | | | | Family Name or Surname | | | |
| Rodney S. | | | | Ridley | | | |
| Inventor's |  | | | Date | | 8/23/99 | |
| Residence: City | Mountaintop | State | PA | Country | USA | Citizenship | USA |
| Post Office Address | 6 Autumn Drive | | | | | | |
| Post Office Address | | | | | | | |
| City | Mountaintop | State | PA | ZIP | 18707 | Country | USA |
| Name of Additional Joint Inventor, if any: | | | | <input type="checkbox"/> A petition has been filed for this unsigned inventor | | | |
| Given Name (first and middle [if any]) | | | | Family Name or Surname | | | |
| Thomas E. | | | | Grebs | | | |
| Inventor's Signature |  | | | Date | | 8/23/99 | |
| Residence: City | Mountaintop | State | PA | Country | USA | Citizenship | USA |
| Post Office Address | 28 Woodbrook Way | | | | | | |
| Post Office Address | | | | | | | |
| City | Mountaintop | State | PA | ZIP | 18707 | Country | USA |

Burden Hour Statement This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO Assistant Commissioner for Patents, Washington, DC 20231.

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DECLARATION**ADDITIONAL INVENTOR(S)**
Supplemental Sheet
Page 2 of 2

| | | | | | | | |
|---|------------------------------|-------|----|---|-------|-------------|-----|
| Name of Additional Joint Inventor, if any: | | | | <input type="checkbox"/> A petition has been filed for this unsigned inventor | | | |
| Given Name (first and middle [if any]) | | | | Family Name or Surname | | | |
| Jason R. | | | | Trost | | | |
| Inventor's | <i>Jason R. Trost</i> | | | 8/30/99 | | Date | |
| Residence: City | Drums | State | PA | Country | USA | Citizenship | USA |
| Post Office Address | 188 Debbie Drive | | | | | | |
| Post Office Address | | | | | | | |
| City | Drums | State | PA | ZIP | 18222 | Country | USA |
| Name of Additional Joint Inventor, if any: | | | | <input type="checkbox"/> A petition has been filed for this unsigned inventor | | | |
| Given Name (first and middle [if any]) | | | | Family Name or Surname | | | |
| Raymond J. | | | | Webb | | | |
| Inventor's | <i>Raymond J. Webb</i> | | | 8/24/99 | | Date | |
| Residence: City | Mountaintop | State | PA | Country | USA | Citizenship | USA |
| Post Office Address | 18 Park Lane North | | | | | | |
| Post Office Address | | | | | | | |
| City | Mountaintop | State | PA | ZIP | 18707 | Country | USA |
| Name of Additional Joint Inventor, if any: | | | | <input type="checkbox"/> A petition has been filed for this unsigned inventor | | | |
| Given Name (first and middle [if any]) | | | | Family Name or Surname | | | |
| Michael A. | | | | Caravaggio | | | |
| Inventor's Signature | <i>Michael A. Caravaggio</i> | | | 8/24/99 | | Date | |
| Residence: City | Mountaintop | State | PA | Country | USA | Citizenship | USA |
| Post Office Address | 244 St. Mary's Road | | | | | | |
| Post Office Address | | | | | | | |
| City | Mountaintop | State | PA | ZIP | 18707 | Country | USA |

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DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 3 of 3

| | | | | | | | |
|--|-----------|-------------------------------|----|---|-------|-------------|------------------|
| Name of Additional Joint Inventor, if any: | | | | <input type="checkbox"/> A petition has been filed for this unsigned inventor | | | |
| Given Name (first and middle [if any]) | | | | Family Name or Surname | | | |
| Terry L. | | | | Fenstermacher | | | |
| Inventor's | | <i>Terry L. Fenstermacher</i> | | | Date | | <i>5/23/1999</i> |
| Residence: City | Nescopeck | State | PA | Country | USA | Citizenship | USA |
| Post Office Address | | P.O. Box 301 | | | | | |
| Post Office Address | | | | | | | |
| City | Nescopeck | State | PA | ZIP | 18635 | Country | USA |
| Name of Additional Joint Inventor, if any: | | | | <input type="checkbox"/> A petition has been filed for this unsigned inventor | | | |
| Given Name (first and middle [if any]) | | | | Family Name or Surname | | | |
| | | | | | | | |
| Inventor's | | | | | Date | | |
| Residence: City | | State | | Country | | Citizenship | |
| Post Office Address | | | | | | | |
| Post Office Address | | | | | | | |
| City | | State | | ZIP | | Country | |
| Name of Additional Joint Inventor, if any: | | | | <input type="checkbox"/> A petition has been filed for this unsigned inventor | | | |
| Given Name (first and middle [if any]) | | | | Family Name or Surname | | | |
| | | | | | | | |
| Inventor's Signature | | | | | Date | | |
| Residence: City | | State | | Country | | Citizenship | |
| Post Office Address | | | | | | | |
| Post Office Address | | | | | | | |
| City | | State | | ZIP | | Country | |

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| | |
|-------------|--|
| DECLARATION | REGISTERED PRACTITIONER INFORMATION (Supplemental Sheet) |
|-------------|--|

| Name | Registration Number | Name | Registration Number |
|--------------------|---------------------|---------------------|---------------------|
| Bidyut Niyogi | 27,071 | Ferdinand M. Romano | 32,752 |
| Joel I. Rosenblatt | 26,025 | | |

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INTERSIL CORPORATION
Assignment

As a below named inventor or joint inventor of an invention or improvement entitled:

**POTTED TRANSDUCER ARRAY WITH MATCHING NETWORK IN A
MULTIPLE PASS CONFIGURATION**

for which I have executed an application for Letters Patent of the United States of America, on August 23, 1999, Serial No. 09/344,867, filed June 28, 1999.

WHEREAS, INTERSIL CORPORATION, a corporation organized and existing under the laws of the State of Delaware, having its principal office and place of business in the City of Melbourne, State of Florida, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

WHEREAS, I am an employee of Intersil and was an employee of Intersil when I signed a prior assignment to Harris Corporation.

WHEREAS, I understand such prior assignment to Harris Corporation was a mistake and a new assignment is required by Intersil Corporation.

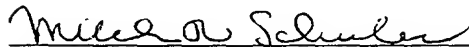
NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer and set over, unto said INTERSIL CORPORATION, its successors, legal representatives, and assigns, my entire right, title and interest in, to, and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuation applications thereof, and all Letters Patent of the United States of America which may be granted thereof and all reissues and extensions hereof, and all applications for Letters Patents which may be filed for said invention in any country or countries foreign to the United States of America, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, all rights to register said invention in appropriate registries, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said INTERSIL CORPORATION, its successors, legal representatives, and assigns, in accordance with the terms of this instrument.

And I hereby covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

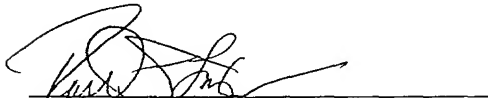
And I hereby further covenant and agree that I will communicate to said INTERSIL CORPORATION, its successors, legal representatives, and assigns, any fact known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisions, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid said INTERSIL CORPORATION, its successors, legal representatives, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, I authorize and affirm said assignments with the signatures set forth below on the indicated date(s).

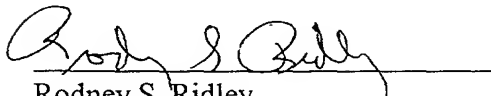
Inventors:


Malcolm R. Schuler

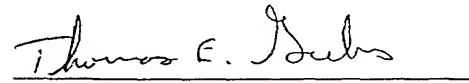
Date: 10/19/, 1999


Robert F. Longenberger

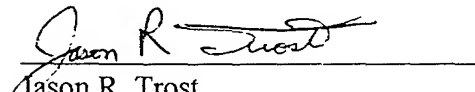
Date: OCTOBER 19, 1999


Rodney S. Ridley

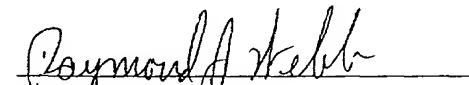
Date: 10/19, 1999


Thomas E. Grebs

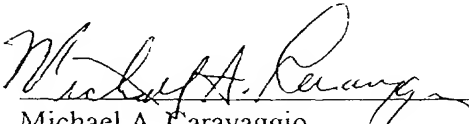
Date: 10/19, 1999


Jason R. Trost

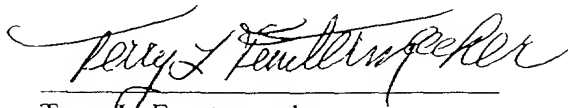
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Raymond J. Webb

Date: 10/19, 1999


Michael A. Caravaggio

Date: 10/19, 1999


Terry L. Fenstermacher

Date: 10/22, 1999